



SECTION A: (40 marks)

1. Work out: $33 \div 3$
 2. Write "ninety thousand, forty" in figures.
 3. Find the sum of the next two numbers in the sequence below
1, 3, 6, 10, 15, 21, _____, _____
 4. Given that set $M = \{0, 2, 4, 6, 8\}$ and set $N = \{2, 3, 5, 7\}$. Find $n(M \cap N)$
 5. What number has been expanded to give;
 $(5 \times 10^4) + (3 \times 10^2) + (2 \times 10^1)$?
 6. Express 72 km/hr as metres per second.

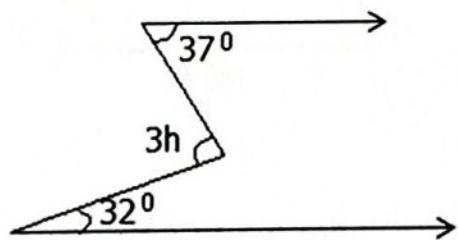
7. Using a ruler, a pencil and a pair of compasses only, construct an angle of 45° in the space provided below.
8. Subtract $(2x - 3)$ from $(4x - 6)$.
9. How many 400 gram packets of salt can be obtained from 20 kg of salt?
10. Find the median of the numbers 4, 9, 5, 8, 5 and 7.
11. Today is Wednesday. What day of the week was it 45 days ago?

12. Find the square root of $1\frac{11}{25}$.

13. Simplify: $\frac{7}{12} - \frac{1}{3}$

14. Express 40 cm as a percentage of 2 metres.

15. Find the value of k in degrees in the diagram below.

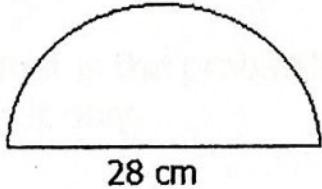


16. Twelve men can do a piece of work in 5 days. How many more men are needed to do the same piece of work in 3 days?

17. Solve: $4 - 2m = 8$

18. If  represent 18 bananas. How many bananas are represented by ?

19. Find the perimeter of the figure below. (Use $\pi = \frac{22}{7}$)

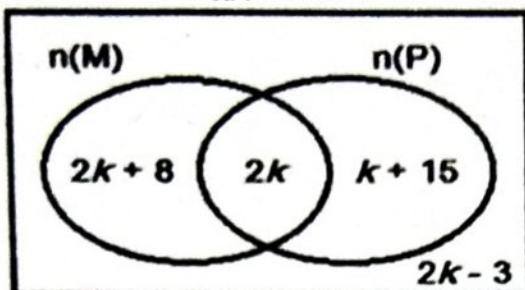


20. The graduation ceremony of Mr. Duru started at 10: 30 pm and ended at 3: 00 am. How long did it last?

SECTION B: (60 marks)

21. The Venn diagram below shows the number of girls who like mangoes (M) and passion fruits (P). Use it to answer the questions that follow.

$$n(\mathcal{E}) = 55$$



a) Find the value of k if 20 girls like mangoes. **(03 Marks)**

b) What is the probability of picking a girl at random who likes one type fruit only? **(02 Marks)**

22. a) Work out: $1\ 0\ 1_{\text{two}}$

$$\begin{array}{r} 1\ 0\ 1_{\text{two}} \\ \times 1\ 1_{\text{two}} \\ \hline \end{array}$$

(02 Marks)

b) If $203_n = 53_{\text{ten}}$, find the value of n .

(03 Marks)

23. Birungi went to the shop and bought the following items.

- 3 toothbrushes at sh. 3,000 each.
- 2 tubes of toothpaste at sh. 5,000 each.
- 4 tablets of bathing soap at sh. 4,000 per tablet.
- 2 bars of washing soap at sh. 3,500 per bar.

a) How much money did Birungi spend altogether?

(05 Marks)

b) If she went with a fifty thousand shilling note, find her balance.

(01 Mark)

24. Ngobi spends $\frac{2}{3}$ of his monthly salary on food, $\frac{1}{4}$ of the remainder on rent and saves sh. 90,000. Calculate his monthly salary. **(04 Marks)**

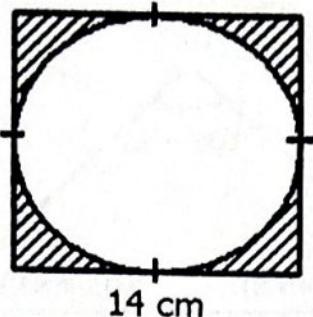
25. A Queen Coach traveling at 55 Km per hour took 4 hours to cover part of its journey. The rest of the journey was covered in 2 hours at a speed of 40 Km per hour. Find the average speed of the Coach for the whole journey. **(04 Marks)**

26.a) Work out: $\frac{0.8 \times 0.6}{2.4 \times 0.4}$ **(03 Marks)**

b) Simplify: $1\frac{1}{2} \times 2\frac{1}{4} \div 1\frac{1}{8}$ **(02 Marks)**

27. Find the area of the shaded part in the figure below.

(05 Marks)

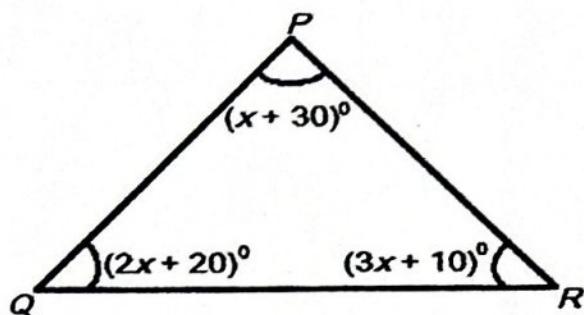


28. Mary, Teddy and Jannet contributed a certain amount of money in the ratio of 5: 3: 7. If Teddy and Mary contributed sh. 240,000;
a) Find their total share.

(03 Marks)

b) How much more money did Jannet contribute than Mary? **(02 Marks)**

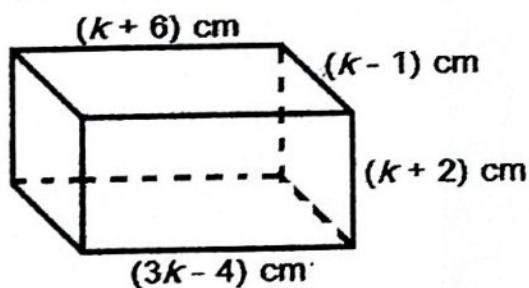
29. Study the figure below and use it to answer the questions that follow.



a) Find the value of x . *(03 Marks)*

b) Calculate the size of angle PQR. *(02 Marks)*

30. Use the figure below to answer the questions that follow.



a) Find the value of k . *(02 Marks)*

b) Calculate the volume of the figure.

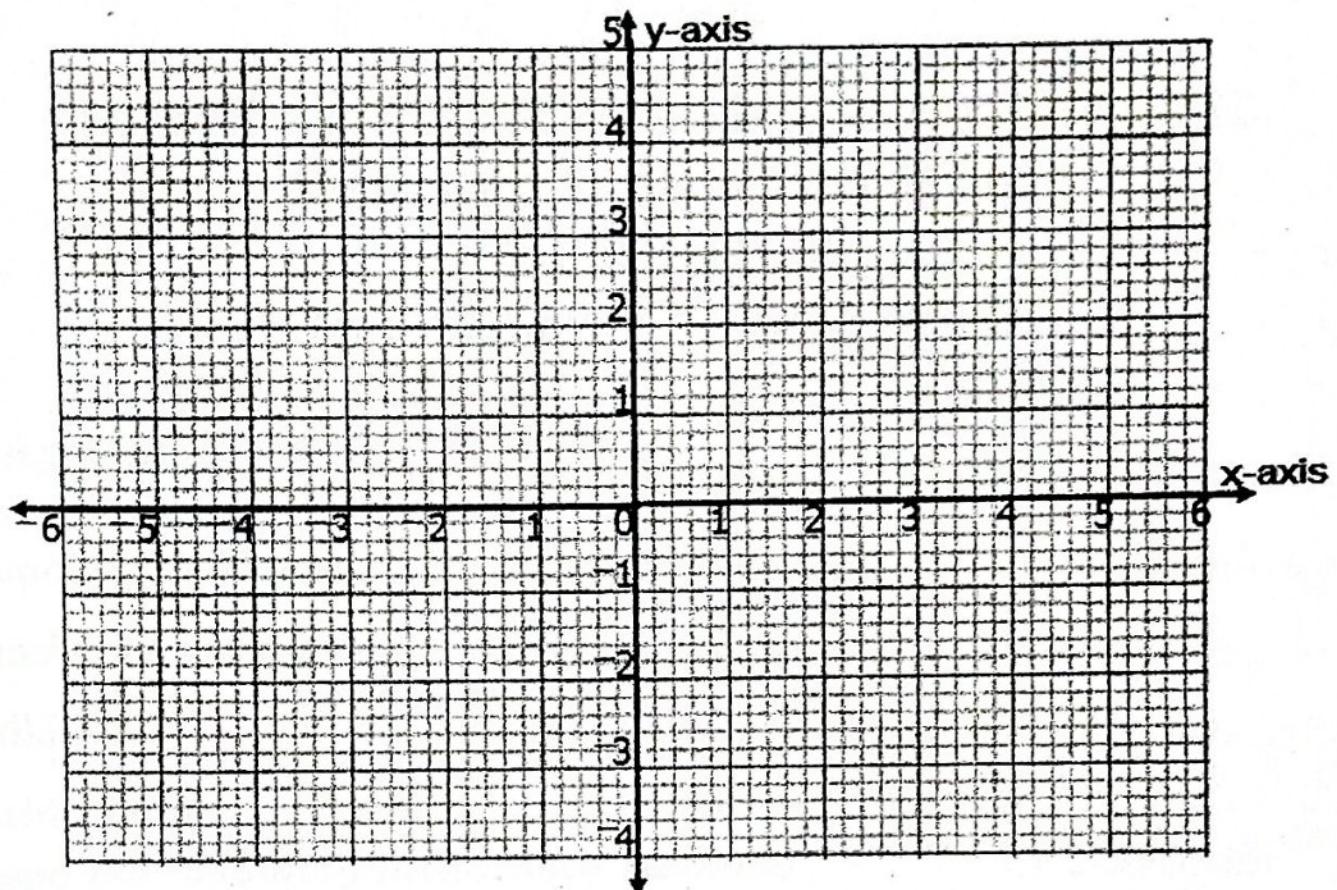
(02 Marks)

31. a) Solve: $6(x - 2) - (2x - 6) = 6$

(03 Marks)

b) A man is 25 years older than his son now. In 15 years' time, he will be twice as old as his son. How old is each of them now? **(02 Marks)**

32. a) Plot the points A(-5, 2), B(6, 2), C(3, -2) and D(-2, -2) on the graph drawn. **(04 Marks)**



a) Join points A to B, B to C, C to D and D to A. **(01 Marks)**

b) Find the area of the figure formed. **(02 Marks)**

END

SECTION A: 50 MARKS

Sub-section I

Questions 1 to 50 carry one mark each

In numbers 11 to 15, fill in the blank spaces with a word or group of words.

1. What is the timeyour watch?
2. If I were a pilot, Ifly to many countries.
3. We have not eaten posho.....two days now.
4. Peter nor his wife is kind.
5. Timothy speaks well and so his brother.

For questions 6 to 15, use the correct form of the words in brackets to complete the sentence.

6. Mrs. Mbidde'swas not clear because she was too fast. (pronounce)
7. Muganga has.....all the baby's milk. (drink)
8. The.....of my bed is only six feet. (long)
9. Candiru is liked by many people due to her.....(humble)
10. The teacher that my father in primary is still alive. (teach)
11. A saw is used for.....planks into smaller pieces. (cut)
12. My young brother will celebrate his.....birthday next Tuesday. (six)
13. There is abetween Joel and Karen. (relate)
14. Theof our village chief surprised everybody. (die)
15. You should do this work by (you)

In questions 17 to 18, use each of the given words to construct a sentence to show that you know their meaning.

16. still

.....
.....

17. steal

.....
.....

In questions 18 and 19, rewrite the sentences giving the plural form of the underlined group of words.

18. The old woman was given a cupful of herbal medicine.

.....
.....

19. My father has gone to buy a loaf of bread.

.....
.....

In questions 20 and 21, arrange the given words in the order of the alphabet.

20. above, elephant, careful, slowly

.....
.....

21. loaf, lump, lick, light, lamp

.....
.....

For questions 22 and 23 write the short forms of the following phrases.

22. for example

23. are not

For questions 24 and 25, arrange the words below to make correct sentences.

24. Alex beside sits me.

.....
.....

25. carpenter My is father a.

.....
.....

For questions 26 and 27, give the **opposite** of the underlined words.

26. All P.7 teachers are very kind.

.....
.....

27. That snake you see over there is dead.

.....
.....

For questions 28 to 30, rewrite the given sentences giving a single word that has the same meaning as the underlined group of words.

28. Kintu's cow produced two young ones last night.

.....
.....

29. He wrote his homework without any care.

.....
.....

30. The child whose parents died has fallen sick.

.....
.....

Sub-Section II

For each of the questions 31 to 50, re-write the sentences below as instructed in brackets.

31. I liked chips more than salads.

(Re-write the sentence usingprefer.....)

.....
.....

32. A sheep is a small animal. A pig is a small animal.

(Re-write the sentence beginning: Both.....)

.....
.....

33. If I see my uncle, I will tell him about the case.

(Re-write the sentence usingsaw.....)

.....
.....

34. A teacher is a very important person. A doctor is a very important person. (Re-write the sentence beginning:as well as.....)

.....
.....

35. Musimbi is sleeping now. He started sleeping in the morning.

(Re-write the sentence usingsince.....)

.....
.....

36. Although John came to school early, she didn't do the morning work.

(Rewrite the sentences usingbut.....)

.....
.....

37. My mother is tall. Your mother is also tall.

(Rewrite usingand so.....)

.....
.....

38. Hardly had the rain stopped when all children ran out to play.

(Re-write the sentence beginning: No sooner.....)

.....
.....

39. This is a very cold morning. (Rewrite beginning: What

.....
.....

40. Bob could not sweep the classroom. Sharon could not sweep the classroom. (Join the sentences beginning: Neither

.....
.....

41. Ritah is a careless girl. Deborah is equally a careless girl.

(Rewrite using: as as)

.....
.....

42. Bagaya is not going for the meeting. Nakirya is not going to the meeting. (Join using: and neither)

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.....

43. it was not necessary for Mukisa to make noise in class.

(Re-write using: needn't.....)

.....
.....

44. Leila has not come to school for the last three days.

(Join as one sentence ending:ago)

.....
.....

45. "I will do this test tomorrow," Jerome said

(Join the sentences beginning: Jerome said that.....)

.....
.....

46. I am speaking to you, _____?

(Re-write and complete the sentence with a correct question tag.)

.....
.....

47. It is a long way from Jinja to Entebbe.

(Re-write the sentence using.....far.....)

.....
.....

48. I gave my pen to a girl. The girl is absent today.

(Rewrite the sentence usingto whom.....)

.....
.....

49. I did not go to London because I did not have enough money.

(Write two separate sentences)

.....
.....

50. They are sweeping our classroom. (Rewrite beginning: our classroom.....)

.....
.....

SECTION B
(Questions 51 to 55, carry 10 marks each)

51. Read the passage below and answer questions in full sentences.

Mr. Agaba is a progressive farmer. He lives in Kigumba town in Kiryandongo District. He has a big land equivalent to twelve kilometres on Kigumba - Masindi Road where, he carries out mixed farming. There, he has a dairy farm, a banana plantation and a farm where he grows subsistence crops such as cassava, maize and sweet potatoes. He also grows cash crops such as tobacco and sunflower in addition to fruit such as mangoes, oranges and pawpaws.

Mr. Agaba has a son and a daughter who both recently graduated from Makerere University with Degrees in Agriculture. The two help him to manage his farm. They do book keeping, treat the animals and supervise the crop cultivation and the fruit farming.

Mr. Agaba owns a pick-up which is driven by the son. He uses it to bring in the farm inputs and to transport farm products to the market. Although some of the products are consumed locally in the area, the biggest market is in Kampala. The son drives to Kampala every morning to take milk to Shamea Dairy Industry located on 5th Street, Industrial Area where the milk is processed and sold mainly in the city.

1. Who is the farmer talked about in the story?

.....
.....

2. Where does the farmer live?

.....
.....

3. What type of farming does Mr. Agaba practise?

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.....

4. What subsistence crops does Mr. Agaba grow?

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5. Who drives the pick-up at the farm?

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6. Where does Mr. Agaba sell his products?

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7. What is the use of Agaba's pick up on the farm?

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8. Which industry in Kampala is the biggest buyer of Agaba's milk?

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.....

9. According to the passage, how many workers does Mr. Agaba have?

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.....

10. Give the passage a suitable title.

.....

52. (A) The information shows the attendance of Primary Six E in Mere Primary School. Study it carefully and answer the questions about it in full sentences.

PRIMARY SIX E

Daily Attendance

DAY	Thursday		
	PRESENT	ABSENT	TOTAL
BOYS	27	03	30
GIRLS	32	1	33
TOTAL	59	04	63

Recorded: Wabwire Musa (Class monitor)

Questions

a) What is the above information about?

.....
.....

b) For which school was the above information?

.....
.....

c) How many female pupils attended class on that day?

.....
.....

d) Who recorded the above information?

.....
.....

e) What is the total number of pupils in this class?

.....
.....

(B) The notice below appeared in Nyanga Newspaper of 4th March, 2018. Study it carefully and answer the questions that follow in full sentences.

PUBLIC NOTICE

FRESH VEGETABLES AT MAMA GROCER'S

Please Come and Buy fresh vegetables.

FIND US ON KIDOKO ROAD, PLOT 44

VERY AFFORDABLE PRICES

YOU ARE ALL WELCOME

MANAGEMENT

Questions

a) Where was the above information published?

.....
.....

b) Where can one find Mama Grocer's?

.....
.....

c) Which items are on sale?

.....
.....

d) Why do you think many people will buy the items?

.....
.....

e) Who wrote this information?

.....
.....

53. Arrange the following sentences in correct order to make a sensible story.

- (a) This resting time is called school holidays.
 - (b) Some visit friends and in-laws.
 - (c) A school has three terms every year.
 - (d) During this period, pupils call themselves holiday makers.
 - (e) A few of them however, do the unwanted.
 - (f) At the end of every term, pupils go home to rest.
 - (g) In the end they are punished by their parents.
 - (h) They do a lot of activities at home.
 - (i) While others help their parents with household work.
 - (j) This includes stealing, fighting and getting bad friends.
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54. Read the poster below and then answer the questions that follow in full sentences.

Concert!	Concert!	Concert!
BAND:	One Direction	
THEME:	WOMEN EMPOWERMENT	
VENUE:	MUGALU GARDENS	
DATE:	SATURDAY 6 TH JULY, 2022	
TIME:	7:00 p.m. – 10:00 p.m.	
ENTRY FEE:	ADULTS CHILDREN COUPLE	SH.10,000 SH.5000 SH.15,000
	MANAGEMENT	
	2nd June, 2022	

- (a) What is the poster about?

.....
.....

- (b) Which band is going to present the concert?

.....
.....

- (b) Where is the concert going to be staged?

.....
.....

(c) When will the concert be presented?

.....
.....

(d) For how long will the concert last?

.....
.....

(e) What is the theme of the concert?

.....
.....

(f) How much will Mr. and Mrs. Obama pay to enter the concert?

.....
.....

(g) Who wrote the poster?

.....
.....

(h) When was the poster written?

.....
.....

(i) Give one other word or group of words with a similar meaning as the words from the passage given below:

(i) couple.....

(ii) theme.....

55. Mukalere Thomas completed P.7 last year. This year 2021 he has applied for a place in senior one at King's College Budo, P.O Box 71, Kampala. Complete his letter below.

Hillside Primary School,

.....

Kampala.

14th November,

The Head Teacher,

.....

P.O.Box 234,

Kampala.

Dear Sir/Madam,

Re:

Referring to the subject matter, I humbly write to for a in senior one in your school in 2021.

I am a male Ugandan aged twelve years. I did my Primary Examination last year and obtained the following result: English: 1, Science:1, Mathematics:1, Social studies:1, Total aggregate: 4, Division One.

I am good at playing netball and swimming and I was the sports prefect in my former school. I like reading novels in my free time.

In case of any more information regarding my character and behavior, I kindly refer you to: Mr. Ashaba Godfrey, the Head teacher, Hillside Primary School, Tel. 0784562784.

I shall be very if my application is handled with a parental consideration.

Yours

Mukalere Thomas

.....

SECTION A (40 MARKS)

1. Name any one domestic animal kept for transport.

.....

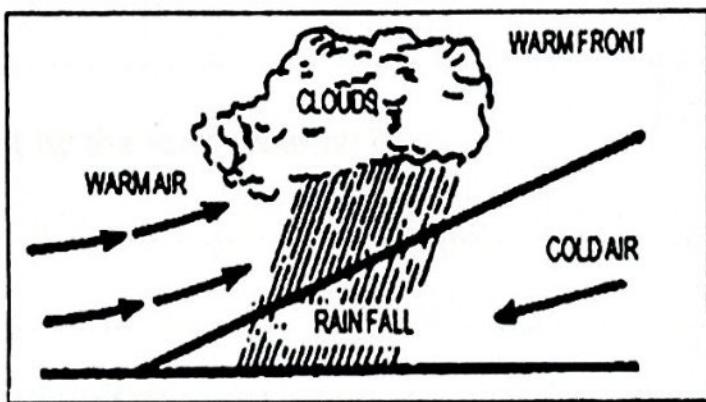
2. Give any one way human activities affect climate in an area.

.....

3. Why is Antarctica not suitable for human settlement?

.....

Study the diagram below and answer the questions that follow (4-5)



4. Name the type of rainfall shown in the diagram above.

.....

5. Why does North Eastern Uganda receive the above type of rainfall?

.....

6. Give any one reason why the Plain Nilotes did not form any kingdom.

.....

7. Which water channel connects Lake Edward and Lake George?

.....

16. What does the drum represent on the Uganda National Coat of Arms?

.....

17. Give any one reason why the government carries out decentralization.

.....

18. Mention any one problem faced by the Christian Missionaries in East Africa?

.....

19. Give any **one** reason why a factory should be set up near the source of raw materials.

.....

20. What is meant by the term weather?

.....

.....

21. Give the meaning of the road sign in the diagram below;



.....

22. Why were adult citizens of Uganda given National Identity Cards?

.....

23. How does Family Planning help to control population growth in a country?

.....

8. State any one importance of road safety rules to school children.

.....

9. Mention any one cause of Ocean currents.

.....

10. Why are Primary School pupils not allowed to participate in national elections?

.....

11. State the similarity between Mountain Elgon and Drakensberg ranges in terms of their formation.

.....

12. Give one economic importance of Fort Jesus to the government of Kenya.

.....

13. Name they type of budget where the income and expenditure are equal.

.....

14. State the main duty of the Speaker of Parliament.

.....

15. Name any one group of social service providers who use the item below in their work.



24. State any one effect of civil wars in Africa.

.....

25. Mention any one example of a renewable resource in the environment.

.....

26. What was the main use of Cowrie shells during the Long Distance Trade in East Africa?

.....

27. Give any **one** way a school can help to promote children's talents.

.....

28. What is the function of a Wind vane at a weather station?

.....

29. Which type of natural vegetation provides water proof timber for making boats?

.....

30. How is a camel able to survive under hot and dry desert conditions?

.....

31. Give one role of the National Forestry Authority (NFA) in Uganda.

.....

32. Why is Kabale cooler than Kampala?

.....

33. State any one reason why most rift valley lakes have salty water.

.....

34. Mention any one disadvantage of using traditional means of communication.

.....

.....

35. Give any one advantage of solar energy over Hydro-electricity.

.....

.....

For questions **36** to **40** answer **EITHER** Christian **OR** Islamic question but **NOT** both on each question.

36. EITHER:

What was the sign of God's covenant with Noah?

.....

OR:

What was the symbol of Allah's covenant with Nuuh?

.....

37. EITHER:

Why is it important for Christians to repent after sinning?

.....

OR:

Why is it important for Muslims to repent after sinning?

.....

38. EITHER:

Apart from Baptism, mention one other sacrament in Christianity.

.....

OR:

Apart from Shahadat, mention any one other Pillar of Islam.

.....

39 . EITHER:

How did Jesus prove to His followers that He had power from God?

.....

OR:

How did Prophet Muhammad (S.A.W) prove to His followers that He had power from Allah?

.....

40 . EITHER:

Why do Christians visit Namugongo on 3rd June every year?

.....

OR:

Why do Muslims make a pilgrimage to Mecca in the month of Dhul-Hijjah?

.....

SECTION B (60 MARKS)

41 . a) What is meant by the term Population distribution?

.....

b) Give any two factors that lead to a dense population in Urban areas.

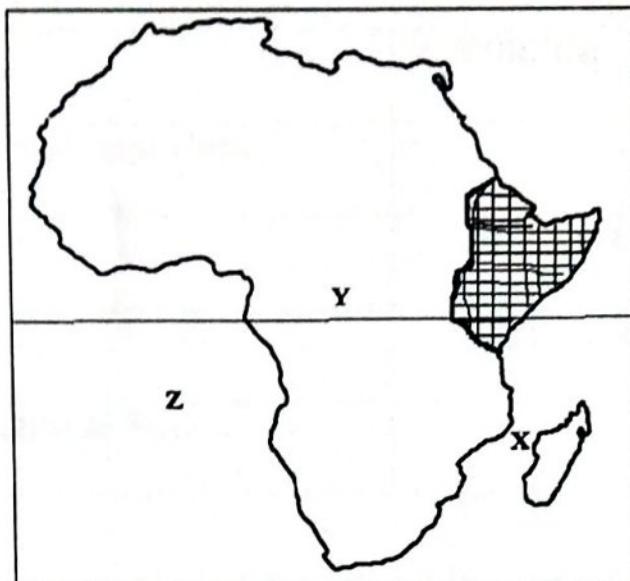
(i)

(ii)

c) Mention any one disadvantage of a dense population in an area.

.....

42. Study the map below and answer the questions that follow.



a) Name the landlocked country in the shaded region //// on the map above.

.....

b) How did the country in (a) above become landlocked?

.....

c) Why is line Y marked O' on the map above?

.....
.....

d) Name the ocean marked Z on the map above.

.....

43. a) Give any two ways children's rights are abused in a community.

(i)

(ii)

b) State any two effects of child abuse in a community.

(i)

(ii)

44 . Complete the table below by filling in the correct information.

Game Park	Wildlife
Lake Nakuru National Park	
	Ostriches
	Hippopotamuses
Mgahinga National Park	

45 . a) Give any two importance of the mining industry to a country.

(i)

(ii)

b) Which minerals are mined from the following places?

(i) Lake Magadi:

.....

(ii) Shores of Lake Albert:

.....

46 . a) Give any two reasons for the construction of the Kenya- Uganda railway.

(i)

(ii)

b) Mention any one problem faced by the builders of the Kenya-Uganda railway.

.....

c) How did the Uganda railway help to end Slave trade in East Africa?

.....

.....

47. a) State any two reasons why African countries formed regional bodies.

(i)

(ii)

b) Apart from the East African Community, name one other regional body where Uganda is a member.

.....

c) State any one factor that led to the collapse of the East African Community in 1977.

.....

48. a) Give any two human activities that lead to destruction of natural forests.

(i)

(ii)

b) Mention any two benefits of equatorial forests to people in Uganda.

(i)

(ii)

49. a) Give any two ways the apartheid policy was practiced in South Africa.

(i)

(ii)

b) State any one effect of the apartheid policy to the people of South Africa.

.....

c) Name the first Black African president of South Africa after apartheid policy.

.....

50 . a) State any two problems faced by crop farmers in East Africa.

(i)

(ii)

b) Give any two solutions to crop farmers' problems in East Africa.

(i)

(ii)

For question 51 to 55 answer EITHER Christian OR Islamic questions but not both on each question.

51 .EITHER:

"I will ask the Father and He will send you a helper who will be with you forever.." (**John 14:16**).

a) Who said the above words?

.....

b) Name the helper being talked about in the above quotation.

.....

c) Which group of people were the above words told?

.....

d) On which day did the group in (c) receive the helper they were promised?

.....

OR:

"Verily we have granted you Al Kauthar, turn in prayer to your Lord and sacrifice...." 108:1-13

a) Who said the above words?

.....

b) To whom were the above words said?

.....

c) Mention any two things you learn from the above quotation.

(i)

(ii)

52. EITHER:

a) Mention any two voluntary organizations that offer free service to needy people.

(i)

(ii)

b) Give any two ways Christian voluntary organizations serve the needy people.

(i)

(ii)

OR:

a) Mention any two voluntary organizations that offer free service to needy people.

(i)

(ii)

b) Give any two ways Islamic voluntary organizations serve the needy people.

(i)

(ii)

53 . EITHER

a) What is meant by the term Trinity?

.....
.....

b) Name the three components of the Holy Trinity.

- (i)
- (ii)
- (iii)

OR

a) What is meant by the term Zakat?

.....
.....

b) Give any three importance of paying Zakat in Islam.

- (i)
- (ii)
- (iii)

54 . EITHER:

a) Give the meaning of the term **marriage**.

.....
.....

b) Mention any two types of **marriage**.

- (i)
- (ii)

c) State any **one** condition that allows a Christian to remarry.

.....
OR:

a) Give the meaning of the term **marriage**.

.....
.....
b) Mention any two types of **marriage**.

(i)
(ii)

c) State any **one** reason why polygamy is allowed in Islam.

55. FOR BOTH CANDIDATES

a) Give any two examples of talents God give to people.

(i)
(ii)

b) State any two importance of talents to people.

(i)
(ii)

END

SECTION A

1. Give an example of a substance that dissolves in water.

.....
.....

2. Name the structures in the bird's gizzard that break down food.

.....
.....

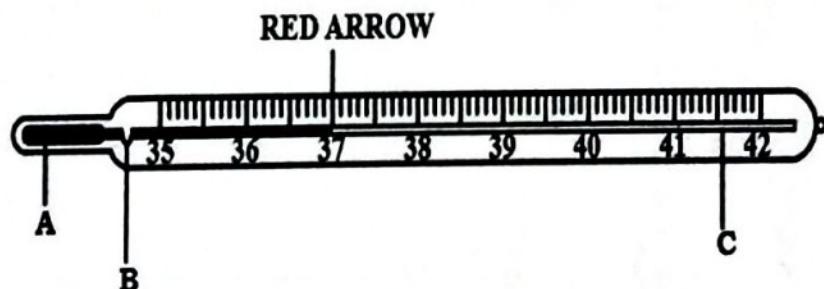
3. How important is **Vitamin D** to human bones?

.....
.....

4. Name **one** group of organisms that aerate the soil.

.....
.....

5. The diagram below shows a doctor's thermometer, how important is the part marked B?



6. Which part of a flower protects it during its bud stage?

.....
.....

7. Write down **one** characteristic that is common among all invertebrates.
-
.....
.....
8. How important is the gas whose percentage is 0.03% to plants?
-
.....
.....
9. Besides plastic, name **one** other example of electricity insulators.
-
.....
.....
10. Write the danger culex mosquitoes cause to human beings.
-
.....
.....
11. Name the system responsible for the removal of nitrogenous wastes from the body.
-
.....
.....
12. Which insect vector spreads germs that destroy the red blood cells?
-
.....
.....
13. In the space below, clearly draw a diagram to show a compound pinnate leaf.

14. Identify any **one** immunizable disease prevented when a newly born baby is immunized before the mother is discharged from the hospital.

.....

.....

15. Besides newts, mention any **one** other example of amphibians.

.....

.....

16. How important is oxygen during seed germination?

.....

.....

17. Suggest one organism that uses book lungs for breathing.

.....

.....

18. For how long does an incalf take to deliver from the day of conception?

.....

.....

19. Why does an inflated balloon placed under the sun for long burst?

.....

.....

20. Write down any **one** characteristic of the solid state of matter.

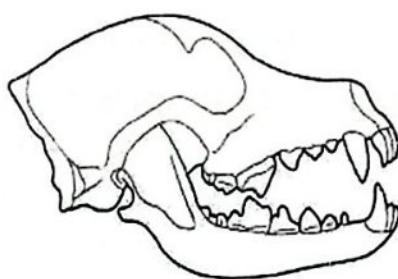
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21. Why is carbon dioxide used in fire extinguishers to put out fire?

.....
.....

22. The diagram shows the head of a certain animal. Name the kind of animal with such teeth.



.....

23. Give **one** reason why farmers are encouraged to keep farm records.

.....
.....

24. Why can't we see around corners?

.....
.....

25. Mention any **one** way you can prevent rusting in metal.

.....
.....

26. Write down the main way through which AIDS spreads.

.....
.....

27. Identify any **one** factor that affects the movement of sound.

.....
.....

28. Where does implantation take place in man?

.....
.....

29. Why would you classify a human foot as a second class lever?

.....
.....

30. Give **one** reason why farmers dock their sheep.

.....
.....

31. How are the gills of a fish adapted to their function of gaseous exchange?

.....
.....

32. Give **one** example of a non-ruminant animal.

.....
.....

33. Single out any one principle of Primary Health Care.

.....
.....

34. How are flowers important to a plant?

.....
.....

35. Why would you classify cholera as a water-cleaned disease?

.....
.....

36. Mirembe's child has the following signs: red eyes, sore mouth, high fever and rash all over the body. Name the immunisable disease you think Mirembe's child is suffering from.

.....
.....

37. Give any **one** use of honey to man.

.....
.....

38. How are common lizards important in the environment?

.....
.....

39. Give **one** example of an arachnid.

.....
.....

40. Write **AI** in full.

.....
.....

SECTION B

41(a) Write down any **two** requirements of a clean school.

- (i)
- (ii)

- (b) Single out any **one** activity you can carry out at school to control vectors.

.....

.....

- (c) Give **one** reason why it is advisable to organize health parades in school regularly?

.....

.....

- 42(a) Write down **two** characteristics of birds.

(i)

(ii)

- (b) Name any **one** example of swimming birds.

.....

.....

- (c) Why do birds have a streamlined body?

.....

.....

- 43(a) What is a skeleton?

.....

.....

- (b) Give **two** functions of the skeleton to the body.

(i)

(ii)

(c) Single out any **one** disease that can affect the skeletal system.

.....

44(a) Write down **one** primary sex characteristic in:

(i) Adolescent boys

.....

.....

(ii) Adolescent girls

.....

.....

(b) Identify **one** way how adolescents can be a problem to their parents.

.....

.....

(c) Joy, who was small and short all of a sudden grew fat and tall beyond other children of the same age. Give one reason why this situation happened

.....

.....

45(a) Give one reason people give for growing crops.

.....

.....

(b) Suggest two reasons why crops should be grown in lines.

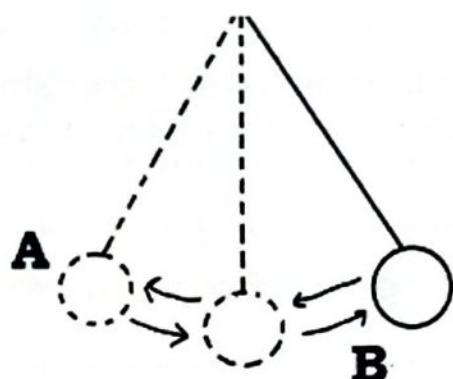
(i)

(ii)

- (c) Single out any one pest that attacks crops with in the garden.

.....
.....

46. The diagram below shows a swinging stone. Use it to answer the questions that follow.



- (a) Name the type of energy possessed by the stone at point A.

.....
.....

- (b) Give a reason to support your answer.

.....
.....

- (c) Identify the energy change at point B.

.....
.....

- (d) List down any one form of energy produced when a sone hits the ground.

.....
.....

47(a) Give the main characteristics of plant leaves.

.....
.....

(b) Name **one** type of leaves.

.....
.....

(c) Suggest **two** functions of the leaves to a plant.

- (i)
- (ii)

48(a) What does the term over-grazing mean in livestock management?

.....
.....

(b) Write down **two** advantages of using paddock grazing as a system of keeping cattle.

- (i)
-

- (ii)
-

(c) Name any **one** disease that affects cattle.

.....
.....

49(a) Apart from the kidneys, name any other organ of the excretory system.

.....
.....

- (b) Mention any **one** component of sweat.

.....
.....

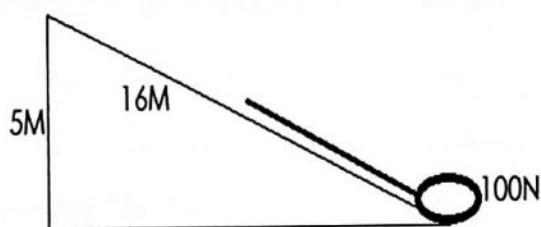
- (c) What happens to blood as it flows through the kidneys?

.....
.....

- (d) How is sweating important to the body?

.....
.....

50. **The diagram below shows a type of machine. Use it to answer the question that follow.**



- (a) Name the machine.

.....

- (b) Work out the mechanical advantage of the machine above.

.....

(c) Identify the distance through which the load moves.

.....

(d) How can you reduce the effort applied on the machine to move the load up to the top?

.....

51(a) What is a wetland?

.....

.....

(b) State any one role played by wetlands in our environment.

.....

.....

(c) Identify two examples of wetlands in the environment.

(i)

(ii)

52 (a) Define the following terms.

(i) Mass

.....

.....

(ii) Weight

.....

.....

(b) Why do objects sink when dropped in water?

.....

.....

- (c) Give a reason why you would use displacement method to find the volume of a mango fruit.

.....
.....

53. Match the following vertebrates correctly to their characteristics

	Vertebrates	Characteristics
(i)	Toads	Uses sharp teeth to trap their prey
(ii)	Crocodiles	Have rough dry skin
(iii)	Chameleons	Have rough dry skin
(iv)	Frogs	Change their colour to escape enemies

- (i) Toads
- (ii) Crocodiles
- (iii) Chameleons
- (iv) Frogs

- 54(a) Which device transforms the kinetic energy of running water to electricity?

.....

- (b) Mention the type of electricity obtained in this way.

.....

.....

- (c) How does this electricity reach a consumer in Gulu?

.....

.....

(d) State the importance of wire insulation in our houses.

.....
.....

55. Describe how each of the following reproduces:

- (a) Yeast
- (b) Bacteria
- (c) Mushrooms
- (d) Beans

END